

Date: Fri, 5 Feb 93 10:55:37 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #171  
To: Info-Hams

Info-Hams Digest                      Fri, 5 Feb 93                      Volume 93 : Issue 171

Today's Topics:

1200MHz FM Experiences Sought.  
73 Magazine Circulation Figures  
73s (Not 73)  
AEA DSP Meteor Scatter?  
Antenna Mounts for an Eclipse/Talon w/rear spoiler  
circuit modeling (2 msgs)  
CQ EU de AH1A  
Daily Solar Geophysical Data Broadcast for 04 February  
Ham Radio Causes Cancer!  
ht bnc connectors  
Need mod for weather radio to recv 2m  
News source for CIS ham activities  
No Code Proposition (2 msgs)  
QRP Mobile  
RF exposure  
Schematic Wanted !!!  
Solar Panels: advice, sources  
U.S. QSLing  
What is the best way to access packet radio via the INTERNET

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 5 Feb 93 04:33:10 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: 1200MHz FM Experiences Sought.  
To: info-hams@ucsd.edu

I and a buddy have gotten a pair of Kenwood 541A's and are seriously considering putting a repeater up somewhere in the central piedmont of North Carolina to stimulate some more interest in the 1200 band locally. The main obstacle is the lack of commercial hardware, so we may have to get another pair of Kenwoods and hook 'em up back-to-back.

Any comments from current 1240-1300 MHz users relating to land-mobile and repeater range and etc. would be appreciated. Also: does anyone know if a 541 can be modified for full-duplex?

Thanx;  
Ken Johnson - KC4Y0Z

-----  
Date: Thu, 4 Feb 1993 16:06:16 GMT  
From: elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!howland.reston.ans.net!  
bogus.sura.net!udel!sbcs.sunysb.edu!rick@ames.arpa  
Subject: 73 Magazine Circulation Figures  
To: info-hams@ucsd.edu

In article <14570621@hpnmdla.sr.hp.com> alanb@hpnmdla.sr.hp.com (Alan Bloom) writes:

>Did you ever notice that 73 is top-heavy with ads from small "garage-shop"  
>companies? I suspect that part of the reason is that the small  
>proprietors aren't hooked in to the old-boy ham radio gossip network  
>and so aren't aware about the stories of 73's whimsical circulation  
>figures. The big outfits know pretty much what 73's circulation  
>actually is, and base their ad campaigns accordingly.  
>AL N1AL

Dunno if you have ever placed a color advertisement in a magazine -- quite expensive, even in small circulation rags. Perhaps the reason 73 attracts the smaller outfits is that it might have a more affordable advertising rate? Even a small outfit is going to figure out that if running an ad in 73 doesn't produce a nice stack of reader service card responses and telephone calls, they have to look to other magazines. In other words, I don't buy the "small proprietors aren't hooked in to the old-boy ham radio gossip network" theory :-)

About the only thing I can fault 73 on these days is that they need the equivalent of the ARRL lab - their reviews and construction articles would be much better with experienced engineers riding herd (eg I would like to see the transmitter projects output spectrums tested!) over them.

Rick Spanbauer, WB2CFV SUNY/Stony Brook

-----  
Date: 5 Feb 93 17:49:23 GMT  
From: adobe!swirsky@decwrl.dec.com  
Subject: 73s (Not 73)  
To: info-hams@ucsd.edu

In article <C1y4Ev.6pw@spk.hp.com> dubner@spk.hp.com (Joe Dubner) writes:

>  
> Yes, I know that the term "73" (best regards) doesn't need an "s"  
> suffix, but in this case I'm referring to multiple instances of 73 --  
> hence "73s".  
>  
> Have you ever noticed the ingenious excuses that a ham will use  
> when he wants to terminate a QSO.

I used to like to \*slowly\* turn down the output power. The person on the other end will think that the band just died. [This only works for non-local HF QSO's!]

--  
"Duff Beer for Me,  
Duff Beer for You,  
I'll have a Duff Beer,  
You'll have one, too!" -- Duff Gardens Theme Song

-----  
Date: Thu, 4 Feb 1993 21:44:41 GMT  
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!qt.cs.utexas.edu!yale.edu!newserver.jvnc.net!darwin.sura.net!haven.umd.edu!wam.umd.edu!  
tedwards@network.UCSD.EDU  
Subject: AEA DSP Meteor Scatter?  
To: info-hams@ucsd.edu

The University of Maryland Amateur Radio Association (W3EAX) is looking for hams interested in trying BPSK meteor scatter packet using the AEA-DSP 1232 master/slave packet mode. Send email to tedwards@wam.umd.edu or packet to w3eax@wb3v.md.usa for more information.

-Thomas N3HAU member W3EAX

-----  
Date: 5 Feb 93 18:01:56 GMT  
From: ogicse!emory!gatech!udel!darwin.sura.net!rouge!cfm1471@network.UCSD.EDU

Subject: Antenna Mounts for an Eclipse/Talon w/rear spoiler  
To: info-hams@ucsd.edu

In article <1993Feb5.095307.27631@usl.edu> jab0684@usl.edu (Boudreaux Jean A) writes:

>I am looking for an antenna mounting solution for my Eagle talon with the  
>rear spoiler. I'd love to get some sort of clamp on trunk mount, but  
>as I'm sure those youof you who know the car are aware, the trunk  
>area is somewhat uncoventiional in sdesign. So any ouff you out there  
>who have mounted an antenna on the trunk area of one of these cars, I'd  
>love to hear how you did it.

>

>Thanks,

>kb5udf

>kb5udf@usl.edu

>

Buy a new car! Im sure the one you got aint worth a darn anyway!  
Why not try one of those "through the glass" jobbies, sure they work great.

"a cw knowing ham"

-----  
Date: 5 Feb 93 02:13:13 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: circuit modeling  
To: info-hams@ucsd.edu

Does anyone know of any SPICE programs (the cheaper the better) for the Macintosh.

Electronic WorkBench appears to be SPICE in a visual wrapper.

72/73 Kevin, N7WIM / G8UDP  
a-kevinp@microsoft.com

-----  
Date: 5 Feb 93 02:13:13 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: circuit modeling  
To: info-hams@ucsd.edu

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Electronic WorkBench appears to be SPICE in a visual wrapper.

72/73 Kevin, N7WIM / G8UDP  
a-kevinp@microsoft.com

-----  
Date: 4 Feb 93 15:16:30 GMT  
From: spsgate!mogate!newsgate!usenet@uunet.uu.net  
Subject: CQ EU de AH1A  
To: info-hams@ucsd.edu

In article <1993Feb1.024256.483@dxis.att.com> k2ph@dxis.att.com (Bob Schreibmaier) writes:  
> From article <BAT.93Jan28111141@gdstech.GRUMMAN.COM>, by  
bat@gdstech.GRUMMAN.COM (Pat Masterson):  
> > I heard some guys on the 256 net say that Luigi 'approved' the use of  
> > his call. Obviously, he doesn't have to. But, I wonder how he's going  
> > to handle all those QSL cards he gets?  
>  
> Hating to beat a dead horse, especially since I need this QSL on  
> 75 meters... :-)  
> ...  
I worked them last night and they were saying to QSL to the Mile High DX Club in Denver. Unfortunately, I didn't get the complete address. Anyone out there have it?

Thanks & 73... Mark AA7TA

-----  
Date: 5 Feb 93 04:45:17 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 04 February  
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 035, 02/04/93  
10.7 FLUX=147.4 90-AVG=135 SSN=133 BKI=3212 2121 BAI=006  
BGND-XRAY=B6.4 FLU1=6.2E+05 FLU10=9.8E+03 PKI=3312 2332 PAI=009  
BOU-DEV=029,013,007,011,011,009,010,009 DEV-AVG=012 NT SWF=00:000  
XRAY-MAX= C4.4 @ 1043UT XRAY-MIN= B5.2 @ 0048UT XRAY-AVG= B9.1  
NEUTN-MAX= +002% @ 2320UT NEUTN-MIN= -002% @ 2325UT NEUTN-AVG= +0.0%  
PCA-MAX= +0.1DB @ 2045UT PCA-MIN= -0.4DB @ 0745UT PCA-AVG= -0.0DB  
BOUTF-MAX=55418NT @ 0010UT BOUTF-MIN=55386NT @ 1759UT BOUTF-AVG=55406NT  
GOES7-MAX=P:+101NT@ 1834UT GOES7-MIN=N:+005NT@ 1015UT G7-AVG=+077,+030,+009  
GOES6-MAX=P:+115NT@ 1800UT GOES6-MIN=E:-006NT@ 2105UT G6-AVG=+087,+004,+041  
FLUXFCST=STD:150,155,155;SESC:150,155,155 BAI/PAI-FCST=010,010,010/010,010,010  
KFCST=2233 3222 2233 3222 27DAY-AP=009,014 27DAY-KP=3222 2233 3333 3333  
WARNINGS=\*SWF  
ALERTS=

!!END-DATA!!

-----  
Date: 4 Feb 1993 21:11:55 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!  
saimiri.primate.wisc.edu!zazen!post.its.mcw.edu!news@network.UCSD.EDU  
Subject: Ham Radio Causes Cancer!  
To: info-hams@ucsd.edu

In article <1993Jan28.235637.1@ttd.teradyne.com>  
rice@ttd.teradyne.com writes:

>  
>Wonder what the field is under an Electric Blanket ?

I'm late into this thread, so I hope I'm answering the right question (-:

Body-averaged surface E-field: 0.1 - 1.5 kV/m  
Body-averaged magnetic flux density: 5-20 mG  
Body-averaged current density: 1-10 nA per sq. cm.

John Moulder (jmoulder@post.its.mcw.edu) 414-266-4672  
Radiation Biology Group  
Medical College of Wisconsin, Milwaukee, Wisc

-----  
Date: Thu, 4 Feb 1993 20:58:21 GMT  
From: netcomsv!netcomsv!attain!icd.teradyne.com!news@decwrl.dec.com  
Subject: ht bnc connectors  
To: info-hams@ucsd.edu

In article <9302021416.AA06788@ucsd.edu> jds@emclab.ATt.COM writes:  
-The two questions are: 1) by the fact that the bnc has been rotating  
-slightly for some small period of time indicate that the solder joints  
-on the other side have loosened?

Probably. On the 24at, there is a short wire from the PCB to the center  
pin. I think it is a coil on the w2a. This connection may be weakened.

-2) I notice a nut with two grooves holds the bnc in place...is there a  
-source for the tool to tighten this type of nut? (Amphenol/AMP/Kings?)

I just used needle nose pliers to tighten my ic24at's connector, and then  
applied a little loctite to prevent it from loosening.

/mike  
--

\\ / Michael L. Ardai N1IST Teradyne ATG Boston

/ / \ ardai@maven.dnet.teradyne.com

-----  
Date: Thu, 4 Feb 1993 16:26:20 GMT  
From: elroy.jpl.nasa.gov!mycroft.jpl.nasa.gov!ring@ames.arpa  
Subject: Need mod for weather radio to recv 2m  
To: info-hams@ucsd.edu

I have a Radio Shack Weathercube weather radio that I would like to modify to receive transmissions from my local 2m repeater.

Someone told me that QST had an article a while back on how to do this.

The radio has a thumbwheel tuning wheel on the bottom, and picks up the local NOAA weather radio station at 162.55 MHz.

I presume that I either stick a resistor in series with the tuning potentiometer, or else add a capacitor to an RC circuit.

Can anyone help?

Warren Ring AB6QE

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Date: Thu, 4 Feb 1993 00:26:48 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!sol.ctr.columbia.edu!eff!world!sharon@network.UCSD.EDU  
Subject: News source for CIS ham activities  
To: info-hams@ucsd.edu

For those who are interested in the amateur-radio situation in the ex-USSR:

Prometheus Ham Digest, the English-language monthly newsletter about ham-radio activities in the ex-USSR, plans to go to a quarterly magazine format in 1993, with the first issue scheduled for this month. They run translations of articles which appear in CIS ham publications, as well as information about DX-peditions, awards (LOTS of new awards cropping up over there), QSL routes, and the general situation there.

George Yankopolus, NA30, 13 Glen Meadow Drive, Glen Mills, PA 19342, USA, handles subscriptions (I believe they will still be \$12/yr).

Along with most people and enterprises over there, Prometheus Ham Digest is having a lot of trouble getting enough money to keep running, but

they are hopeful.

--Sharon KC1YR--

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Sharon Machlis Gartenberg  
Framingham, MA USA  
e-mail: sharon@world.std.com

-----  
Date: 4 Feb 1993 16:28:57 GMT  
From: elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!usc!news.bbn.com!  
bbn.com!levin@ames.arpa  
Subject: No Code Proposition  
To: info-hams@ucsd.edu

In <1993Feb04.014910.6790@mixcom.com>  
kevin.jessup <kevin.jessup@mixcom.mixcom.com> writes:  
[proposing to require higher levels of technical language.]  
|It seems to me that would filter out the "CB low life" AND promote  
|true understanding of how it all works. I realize most of this  
|is available in various ARRL manuals. What I'm suggesting is that  
|it be required knowledge for ALL levels above NOVICE.

It won't filter out the "CB low life" who happen to be electrical  
engineers or who have no trouble learning it.

There is no way to accomplish this task. Some number of every large  
population, including any population capable of passing any given  
test, can also qualify for the soubriquet "low life".

/J

=

Nets: levin@bbn.com | "How does a mouse let me move the cursor anywhere  
pots: (617)873-3463 | I want?" "What are address busses?" "How do  
N1MNF | icons work?" --Time-Life Books

-----  
Date: Thu, 4 Feb 1993 20:08:25 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!sdd.hp.com!  
hpscit.sc.hp.com!cupnews0.cup.hp.com!news1.boi.hp.com!swalton@network.UCSD.EDU  
Subject: No Code Proposition  
To: info-hams@ucsd.edu

I was intrigued that more responses were voiced over this message than  
my introduction to voice mail. I am a computer scientist and have  
dabbled in EE stuff. However, for all the logic (EE stuff) that I am



familiar with, I still find linear (radio) electronics voodoo. While on one hand I provide viable alternatives to the existing status quo, the one that I feel most effective was never attacked. That is: encourage the examiners to mentor the new pupils (like myself) as we learn this stuff (see above).

I agree that the tests need to be harder, considering that the theory was easy compared to the jargon I had assimilate (I'm still struggling with Q-calls; I've lost my list). In fact, I went through the books for both novice and technician in about three days and passed both exams. Not that I have any special gift, I just have a good understanding of physics. The CW, on the other hand, took me two weeks to get 13/5 WPM. And, I was sweating bullets during the exam! I could not answer more than 3 questions, but was able to copy 29 letters in a row.

Back when I had only the tech license (and even before), I was satisfied that CW was for those who really want a fulfilling masochism. Now, I find it exciting and want to learn more about it. Consider: on one hand, you could send a message using FM and get a fair RST over long distances (assuming you have the power). Next, on side-band, the distances lengthen and the RST is better (why? because side-band does not require so much of a bandwidth). Finally, look at CW, the are QRPers that transmit around the world with 599! That is intriguing! And the only bandwidth it requires is the carrier on which you are transmitting!

All things considering, CW does make a certain elitism among the ranks of HAM radio, and there are several infracting behaviours out there (not the least of which are extras!). In fact, I know an older couple who will not be able to pass 13 WPM, because their hands are too slow and shake too much. Is this "bleeding heart"? No, I am merely citing an example. I think that all HAMS should be helping each other instead of bantering around Code-NoCode.

-Sean  
KB7RFA

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Date: Thu, 4 Feb 1993 17:06:57 GMT  
From: haven.umd.edu!darwin.sura.net!bogus.sura.net!howland.reston.ans.net!  
zaphod.mps.ohio-state.edu!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!ag821@ames.arpa  
Subject: QRP Mobile  
To: info-hams@ucsd.edu

In a previous article, fred-mckenzie@ksc.nasa.gov (Fred McKenzie) says:

>In article <1993Feb3.205329.23882@news.ysu.edu>, ag821@yfn.ysu.edu (Jeff  
>Gold) wrote:  
>> The point is this happens every day. I live 7 miles form  
>> work and usually make one cw contact on my way into work  
>> and one on the way home.  
>  
>Jeff-  
>  
>I have quite a bit more power in my mobile rig, and carry an old  
>plastic-based key along. However, it is rather clumsy to operate CW. I'm  
>curious how you have your key set up. Is it a paddle-operated key, or is  
>it a straight key? How do you have it mounted?  
>  
>73, Fred, K4DII  
>  
>fred-mckenzie@ksc.nasa.gov  
>

Well .. actually this is a case in where I splurged. I bought  
a set of Schurr mini paddles, which are hand made West  
German paddles. They are the absolute best paddles I have  
ever used. A friend locally gave me an old leg brace and  
it happens the holes in the key line up perfectly with the  
holes in the paddles, so I just used the provided bolts and  
in a minute had it assembled. The leg brace was kinda old  
so my wife made it a pair of clothe pants, so they wouldnt  
ruin my good work pants. I just slip the brace on my leg,  
drive along and have the time of my life. The paddles could  
easily be mounted on the shift know of my car. I originally  
used a home made set of paddles that I described in the  
Feb. QST article, but found them too hard to use mobile.  
they work great on my desk at home or backpacking, but a little  
big for the car (it is just because my car is so small..if I  
had a truck or van, I could easily arrange something)

73s

Jeff, AC4HF

--

Jeff M. Gold, AC4HF  
Manager, Academic Computing Support  
Tennessee Technological University

-----  
Date: 4 Feb 1993 17:21:35 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sol.ctr.columbia.edu!  
hamblin.math.byu.edu!usenet@network.UCSD.EDU

Subject: RF exposure  
To: info-hams@ucsd.edu

Recently, once again, I am starting to worry about RF exposure.  
Does anyone tell me how many times more RF exposure I am getting if I use  
rubber duck next to my head compare w/ say, 50W on the top of my roof.

Does anyone have good idea min. RF exposure?

Someone suggest to get copper shield. Any another thought????

thnx

n7uqj

-----  
Date: 4 Feb 93 18:12:17 GMT  
From: saimiri.primate.wisc.edu!sdd.hp.com!caen!nic.umass.edu!risky.ecs.umass.edu!  
umaecs!berkovit@ames.arpa  
Subject: Schematic Wanted !!!  
To: info-hams@ucsd.edu

I am an electrical engineer at U-Mass and I'm looking for schematic plans  
to a voice activated transceiver small enough to go in a motorcycle helmet.  
something along a 40 megahertz band. Plans must include an inline ignition  
noise filter. thanks in advance

KA1PYI

-----  
Date: Thu, 4 Feb 1993 17:09:08 GMT  
From: elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!  
news1.boi.hp.com!swalton@ames.arpa  
Subject: Solar Panels: advice, sources  
To: info-hams@ucsd.edu

I got the address:

Backwoods Solar  
8530 Rapid Lightning Creek Rd  
Sandpoint, ID 83864

208-263-4290

Hope that helps!

-Sean

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Date: 5 Feb 93 12:45:39 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: U.S. QSLing  
To: info-hams@ucsd.edu

> indicative of the general ham population. Just as a curiosity, I would  
> like to find out how we hams feel about QSLs.

(section deleted)

> Thanks for answering these short questions - I'm looking for just very simple

Short questions?!? Looked more like a Ph.D. dissertation to me.

steve - W3GRG

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Date: 5 Feb 93 10:50:45 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: What is the best way to access packet radio via the INTERNET  
To: info-hams@ucsd.edu

I am studying for my HAM license and I hope to join my friend  
in the HAM community soon. In the mean time,I was wondering  
if it was possible from my HAM friends to communicate with me  
from their pbbs systems and have the traffic forwarded to the  
Internet & vice versa. Is this legal to do for personal use?

Comments are welcome. Send to emack@ica.com

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Date: Thu, 4 Feb 1993 20:52:34 GMT  
From: dog.ee.lbl.gov!hellgate.utah.edu!caen!malgudi.oar.net!news.ysu.edu!  
yfn.ysu.edu!ag821@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Feb4.193019.12632@odin.corp.sgi.com>, <fred-  
mckenzie-030293174515@k4dii.ksc.nasa.gov>, <1993Feb3.205329.23882@news.  
Reply-To : ag821@yfn.ysu.edu (Jeff Gold)  
Subject : Re: QRP Mobile

In a previous article, adams@chuck.dallas.sgi.com (Charles Adams) says:

I am now spoiled. I use a set of hand made Schur Mini-Paddles.  
They are the best paddles I have EVER used. Someone in town  
gave me an old (army surplus?) leg brace. The holes from the  
paddles line up perfectly.. 2 bolts hold the paddles on  
the leg brace. I built the "Cheap Keyer" from the ARRL  
manual on some perf board and have it under the front seat.

73s

Jeff, AC4HF

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Jeff M. Gold, AC4HF  
Manager, Academic Computing Support  
Tennessee Technological University

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End of Info-Hams Digest V93 #171

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